Mobile Recorder User Manual

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COBAN® Technologies Inc.
12503 Exchange Drive, Suite 536
Stafford, Texas 77477

Tel: 1-281-277-8288
Fax: 1-281-277-8256

http://www.cobantech.com

Table of Contents

Introduction **4**

Login **4**
Turn On the Mobile Recorder 4
Login to the Mobile Recorder 5
Sync the Wireless Microphone 7
Other Login Options 7
Manually Start the Application 7
Minimize/Maximize the Application Window 8

Camera View Screen **9**

Recording **11**
Start a Recording Manually 11
Stop Recording 12
Use Wireless Mic to Start Recording 12
Wireless Mic Alerts 12
Other Recording Options 13

Event Type **13**
Select an Event Type 13

Snapshot **15**
Take Snapshot 15
Review Snapshots 16

Bookmark **16**
Set a Bookmark in Mobile Recorder 16
Set a Bookmark using Wireless Mic 16

More Functions **17**
Access the More Menu 17
System Summary 18
Close Shot 19
View Snapshots 20
Pre-Event Playback 21
Equipment Test 23
Sync GPS Time 24
Edit Event Data 25
Offender Data Screen *25*
Violation Selection Screen *26*
IP Address 27
Record Indicator 28
Traffic Watch 29
Night Mode 30
Color Mode 31

Camera Control **32**
Brightness Control 32
Zoom Control 32
Focus Control 33

Auto Zoom **33**

Playback Video **35**

Switch Officer **37**

Upload Videos **38**
Wireless Upload 38
Automatic Wireless Upload 40

Specifying Videos to Upload/Retain 40
MHDD Upload 41
Wired Upload 43

Exit the System 45

Mobile Recorder Quick Reference Guide 47

Introduction

The Coban mobile recorder is the front line of the Digital Video Management System (DVMS). The mobile recorder support up to three audio/video channels and can record two channels of audio and two channels of video streams simultaneously to the in-car CPU.

	Audio Channels Supported	Video Channels Supported	Video Format
TopCam-G2	2	3*	MPEG2
Detached			
VMDT			
EDGE	3	3*	H.264
EDGE-MC			

*Only two video channels can be recorded simultaneously.

This information is stored in the Mobile Hard Disk Drive until it can be transferred to the BOClient.

This manual addresses the steps needed to properly use the Mobile recording system.

Login

Based on the system settings configured by the department users may need to login to the mobile recorder system using a valid user ID and password at the beginning of each shift. Other login types are described on page 7. This information allows the mobile recorder system to transfer videos taken during the shift to BOClient to be properly stored and classified in the DVMS. Complete the steps described in this section to login to the mobile recorder system.

Turn On the Mobile Recorder

1. Start the vehicle.
2. Turn on the mobile recorder using the On/Off switch on the monitor.
3. Allow the system to boot up.

EDGE

EDGE-MC

TOPCAM-G2

TOPCAM DETACHED

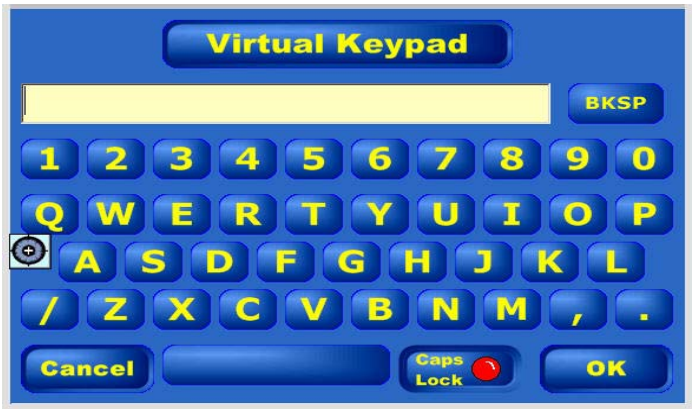
VMDT

Login to the Mobile Recorder

1. After the mobile recording system has been powered up, the Mobile Start Recorder software will initiate and display the Officer Login screen.
2. The officer ID should be automatically entered into the appropriate field from information input during MHDD checkout. If not, enter the appropriate **Officer ID** in the field provided.

Note: Tap **Officer ID** or **Password** to access the virtual keypad.

3. Type your password using the virtual keypad then tap **OK**.
4. Tap **Login**.

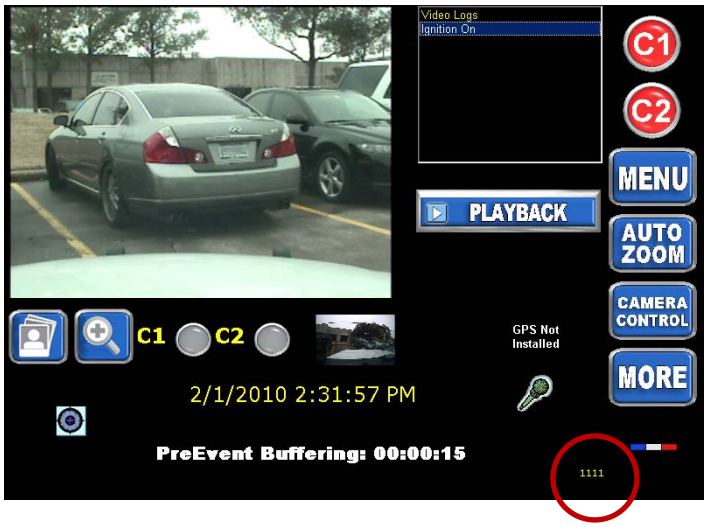


5. The System Time and Date screen will appear.
6. Change the system time and date if it is incorrect using the appropriate arrow keys.
7. Take note of the estimated remaining recording time. Storage remaining for video recording is displayed above the **OK** button.

Note: A warning prompt will be displayed if available recording time is less than 4 hours. The system will not allow the MHDD to be used if it has less than ??? time remaining.

8. Tap **OK.**

Note: A successful Login will show the Officer ID number on the bottom right of the Camera View screen.



Sync the Wireless Microphone

1. Locate the contacts at the bottom of the wireless mic.
2. Press the wireless microphone contacts directly on top of the receiver's register contacts.
3. A confirmation tone will sound to indicate the receiver and the microphone have synchronized their frequencies.
4. The wireless microphone is now on standby mode and ready for use.

Note: Syncing a second microphone to the same receiver will replace and nullify the first microphone.

Other Login Options

The system administrator for the DVMS can enable one of four different login capabilities. These four different options are described below:

Quick login – Automatically logs in an officer after they login once, as long as the same hard drive is used in the same unit (typically used in take home vehicles).

Emergency login – If this option is enabled, when the user starts the mobile recording system and the light bar is activated, the system will boot into record mode automatically. If the light bar is not activated, the system will remain at the login screen.

Delayed login – If this option is enabled the officer can startup the mobile unit and will get a login prompt for 30 seconds. If the officer does not login within 30 seconds the mobile recorder program will start automatically with the ability to record a video. At the end of the recording period, once the stop button is pressed, the officer is prompted to login.

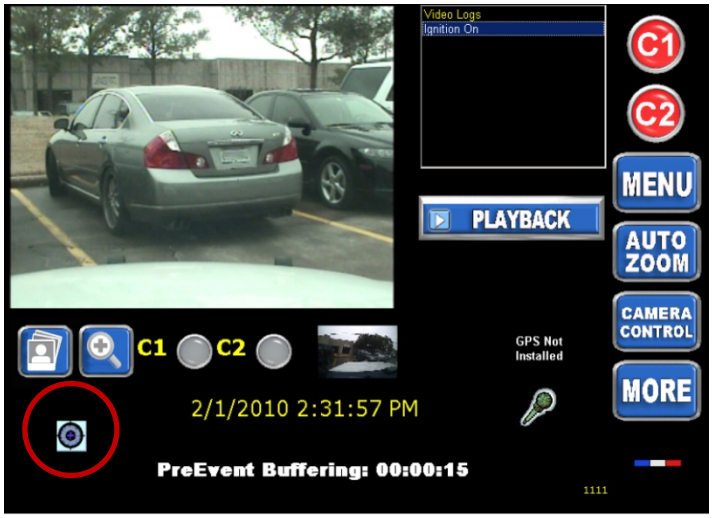
Windows login – The administrator may set BOClient to use MSWindows login credentials and automatically login to BO Client. Note that users will need to logoff from the current Windows session so that others will not gain access to DVMS system with other users' access rights (this feature requires MDT integration or a connection to the department network).

Manually Start the Application

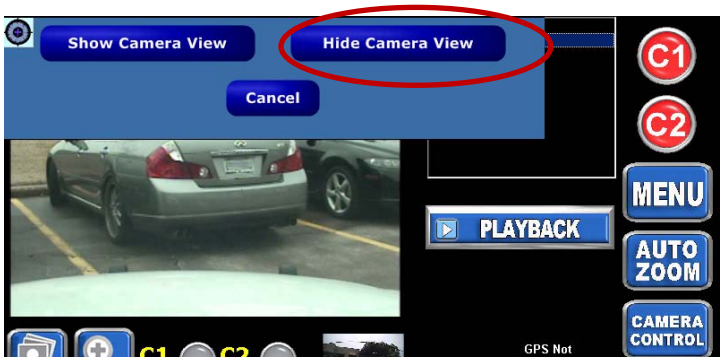
1. The system is designed to start automatically. If the system does not automatically start contact the system administrator or locate the application icon on the display screen.
2. Tap the Mobile Start icon to start the application.

Minimize/Maximize the Application Window

1. Tap the application icon to minimize the window.



2. Tap **Hide Camera View** to minimize the application window and access the desktop.



3. Tap the application icon to return to the Camera View screen.

Camera View Screen

The Camera View screen displays the camera input and provides options for the user to start recording, create bookmarks, take snapshots of the video and other functions. It also provides icons that indicate the light bar status, radar gun reading, GPS indicator (if installed), and the in-car microphone ON / OFF status.

At the bottom of this screen, it shows the Pre-Event Buffering time, which indicates the length of video that is being pre-recorded prior to User pressing the Record button.

Camera Preview

Video Logs

Playback Function

Record Buttons

Snapshot **Zoom In**

Recording Indicators

Secondary Camera View

Function Buttons

Minimize/Enlarge Button

Date and Time

Mic Icon

Buffer Setting

Light Bar Indicator

Camera Preview – The camera preview displays the image as seen through the camera lens. The default image is set as the front facing camera. The system supports a spot exposure feature. Tap the brightest portion of the camera preview screen to automatically dim the preview screen for five seconds. This feature is useful for when lights are making portions of the preview too bright to see.

Video Log - The Video Log documents readings and status from various devices connect to the mobile recording system such as, light bar status, microphone status, bookmark, etc.

Snapshot Function – Tapping the snapshot icon will save a JPG freeze frame image of the video displayed on the camera preview screen. A preview of the snapshot will be displayed immediately beneath the snapshot icon for 15 seconds. Take a snapshot of the rear camera view by clicking on the C2 camera indicator to change the camera preview to secondary camera, then tap the snapshot icon.

Minimize/Enlarge Button – The minimize/enlarge button will minimize or enlarge the mobile recorder application and allow users the ability to access other programs on the computer.

Recording Indicators – The recording indicators blink red to signify which camera is recording. If no cameras are recording, the indicators will not blink. Users can tap on the recording indicators to make that cameras view active in the Camera Preview screen. When there is only one camera installed on the vehicle, the user will not see a C1 and C2 camera indicator. When three cameras are installed in the system, tapping the C2 camera indicator will toggle between camera's two and three.

Date and Time – The Date and Time display is set during the login sequence and continuously displays the current date and time.

Buffer Setting – The Pre-Event Buffer is set by the System Administrator through Coban's BOClient application. The Pre-Event Buffer display is a reminder to the user that all recordings are provided with a pre-event recording. This buffer can be adjusted through BOClient or in some cases through mobile recorder.

Mic Icon – The wireless microphone icon will blink when the covert microphone is recording audio.

Light Bar Indicator – the light bar indicator will blink when the vehicles light bar is activated.

Function Buttons – The function buttons provide users the access to greater functionality, including:

The **Menu** button provides access to Camera View, Playback, Switch User, or Exit functions.

Bookmark Icon – Tap the bookmark icon to mark a spot in a video for later review or to pinpoint an action on the recording.

Auto Zoom - When tapped, the system will automatically zoom the camera, pause for 3 seconds and zoom back to user's original zoom setting. There is no need to manually disengage the button when this feature is used.

Camera Control - Press Camera Control to access manual camera zoom, brightness and focus capabilities.

More - Allows users the ability to access additional system features and functions.

Secondary Camera View - If installed, will be configured as C2 and the second camera's view will appear below the primary camera image next to C2 indicator.

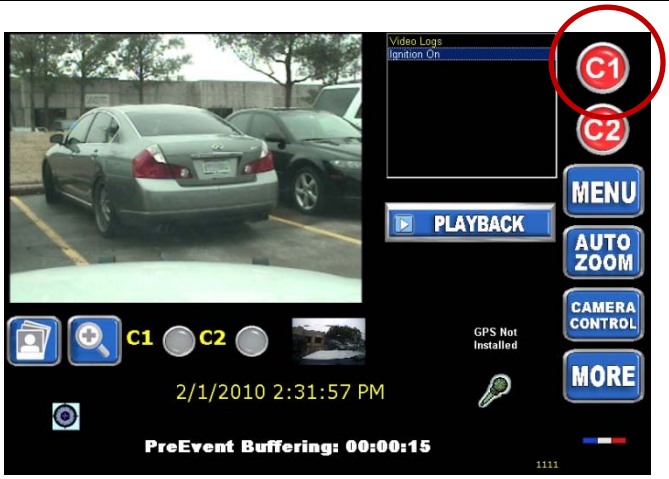
Playback Functions – The playback feature allows user to play previously recorded video, enter / edit video event data, send selected video wirelessly (if wireless option is purchased) and manually retain video. (Please refer to Page 17 for more details)

Record Buttons – The user may initiate a recording by pressing the wireless microphone, turning on the light bar or siren (if equipped as a system trigger), or pressing the **Record** icons on the screen.

Recording

The core feature of the mobile recording system is its ability to quickly and accurately capture videos when the user initiates a recording. The Coban mobile recording system incorporates a multitude of options to start a recording, and to view videos as they are being recorded. These options are detailed in the following section.

Start a Recording Manually



1. Tap the camera 1 icon to begin a recording using the primary camera via the video recorder.
2. Tap the camera 2 icon to begin a recording using the secondary camera via the video recorder.

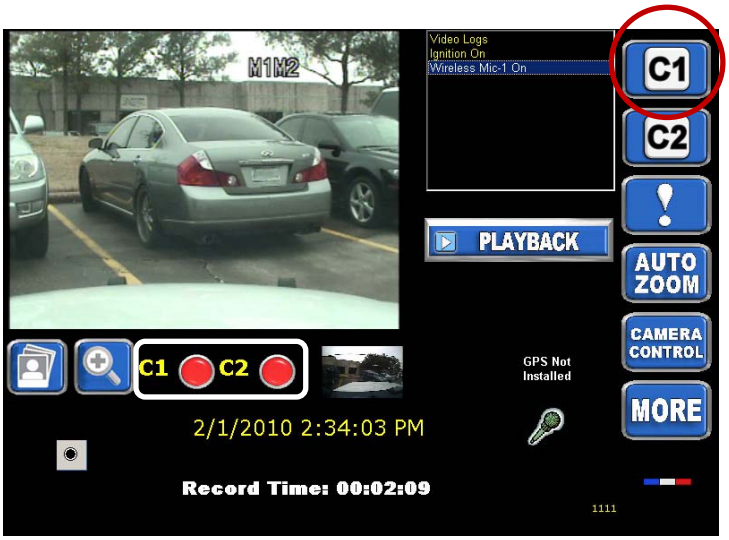
Note: If the vehicle has three cameras, the user can switch the display between camera 2 and camera 3 by double tapping the camera 2 indicator beneath the video image display.

Note: The camera 1 icon will be shown as a white square when the mobile recorder is actively recording a video.

Not Recording Recording

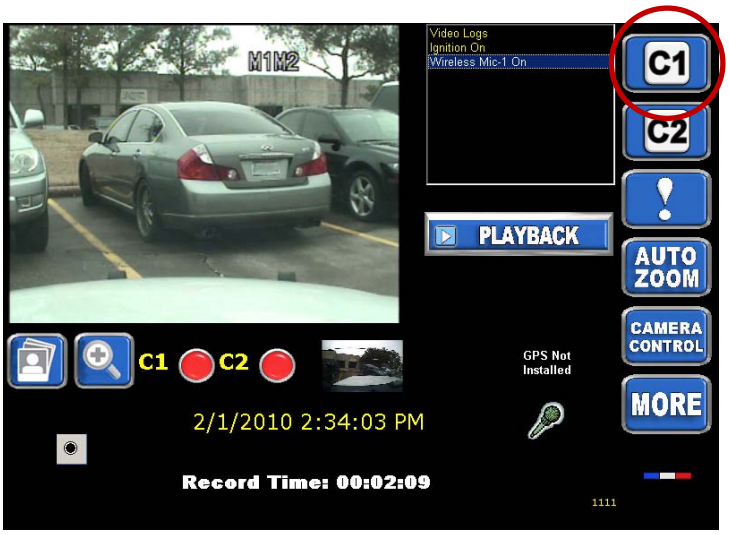
3. The recording indicators will blink red to signify which cameras are actively recording.

Note: While in record mode, the preview screen provides the ability to set bookmarks by pressing the bookmark icon (see page 16 for more information on this feature).



Stop Recording

1. Tap the camera 1 icon to stop recoding using the primary camera.
2. Tap the camera 2 icon to stop the recording on the secondary camera.



Use Wireless Mic to Start Recording

1. Press the Record button (larger button) on the wireless mic once.
2. This action will initiate the mobile recorder to record both audio and video data via the mobile recorder.
3. The wireless mic will vibrate twice and the record button will flash green to indicate that the mobile recording system has started a recording, depending on which mode it is in (see table below).

Wireless Mic Alerts

1. The wireless mic will flash color coded LEDs and/or vibrate to alert users of status changes and wireless mic maintenance alerts.
2. See the table to the right to decipher the alerts.

Mode / Alert	Vibrations	LED/ Vibrate
Recording	2	Green LED / 2
Mute	2	Green Blinking LED / 2
Out of Range	1	Yellow LED / 1
Low Battery	1 each min	Green LED / 1 (blinks every 4 seconds)

Other Recording Options

The system administrator can set other recording start and stop options via the system settings in BOClient, including:

- Light bar activation
- Vehicle speed activation
- Siren activation
- Weapons rack activation

The middle button of the wireless mic is configurable so that it can be used for the following purposes:

- Bookmark
- Stop recording
- Mute

Event Type

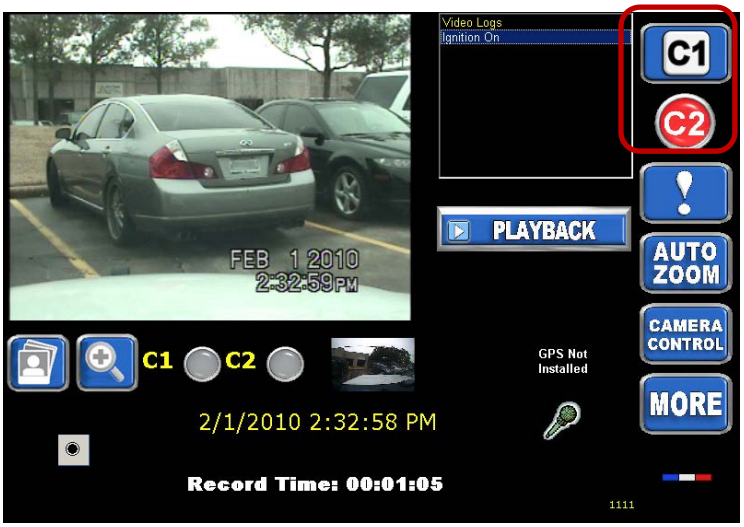
If enabled, the Event Type screen will pop up immediately after the user stops a video recording. Classifying a recording with an event type helps the DVMS save the video, and allows meta-data and other details about the video to be stored with the recording as well as sets the retention criteria for each video. The mobile recorder system will return to the Camera View Screen and Wireless Microphone will also return to standby once the video has been linked to an event type. In instances where both cameras are recording the system will give the user the option to carry over the event data to the secondary camera.

Select an Event Type

1. Tap the camera icon

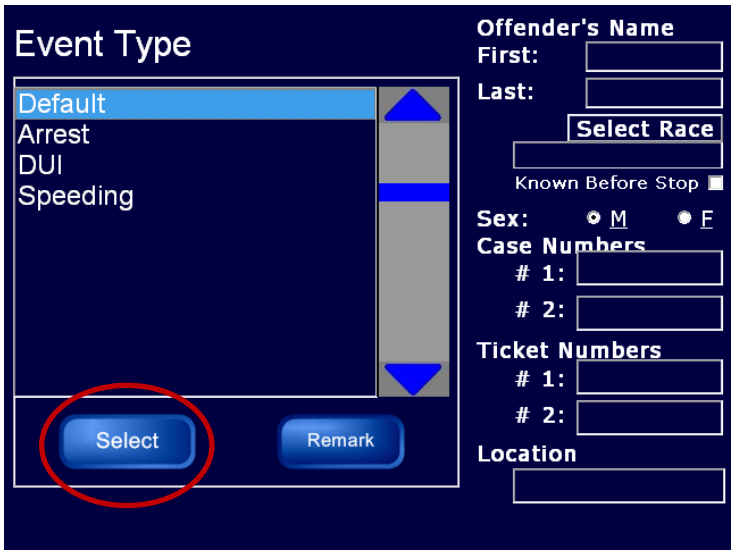
or

to stop recording.



2. The Event Type screen will appear.
3. Tap the appropriate event type to classify the video that was recorded. The Event Type will be highlighted in light blue when it is selected.
4. Tap **Select** to enter the event type.

Note: Events can be added or removed from the event type list by the system administrator through BOClient.



5. Tap any of the text fields to display the virtual keypad.
6. Type information regarding the recording using the virtual keypad then tap **OK**.

Snapshot

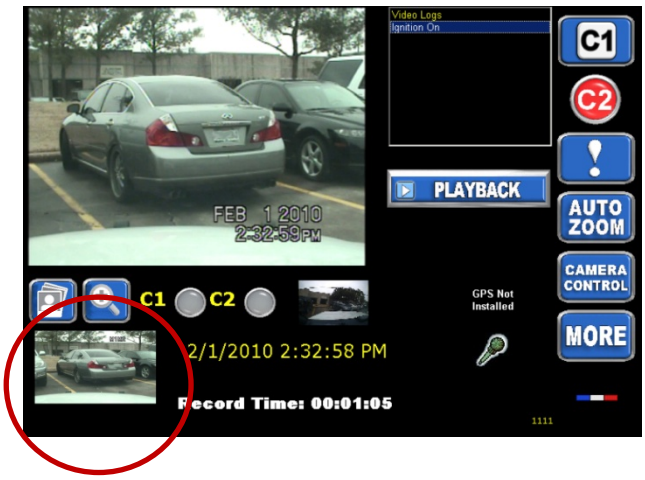
Using the snapshot feature will take a JPG freeze frame image of the video displayed on the preview screen. A preview of the snapshot will be displayed immediately beneath the snapshot icon for 15 seconds. This feature works for any camera installed on the system, but only the camera view shown on the preview screen is available for snapshot.

Take Snapshot

1. Tap snapshot icon to take a JPG freeze frame of the image on the camera view screen.

2. Tap the preview that appears beneath the snapshot icon to enlarge the snapshot.

Note: The snapshot preview will be displayed for approximately 15 seconds.



Review Snapshots

1. Use the arrow keys to scroll through the snapshots saved in the mobile recorder system.
2. Click **X** to delete snapshots.
3. Click **OK** to return to the Camera View screen.

Bookmark

Bookmarks are used to mark points in a video that the reviewer or user feels are significant. Bookmarks also allow users to quickly locate these significant points of videos during a review.

Set a Bookmark in Mobile Recorder

1. Start a video recording (see page 11 for more information on recording).
2. Tap the bookmark icon on the right side of the screen.

3. An entry will be displayed in the Video Log.

Note: The bookmark icon will not be displayed unless the mobile recorder is actively recording.

Set a Bookmark using Wireless Mic

1. The programmable button (smaller button) on the wireless mic can be programmed by a System Administrator to act as a bookmark button.
2. Press the Program Button while recording to create a bookmark at a specific point of the video.

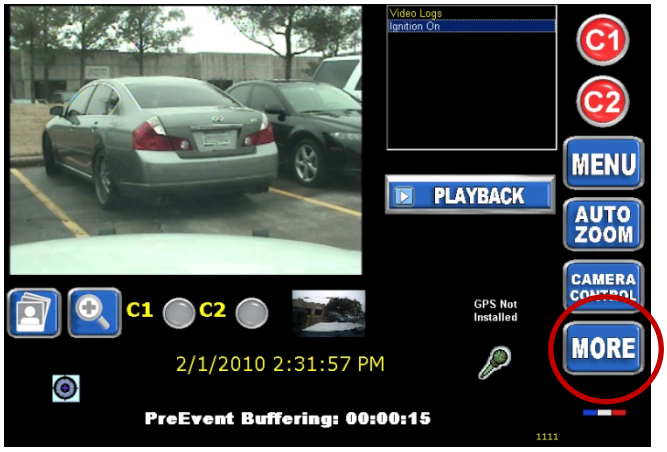
More Functions

Tap MORE to access additional system features/functions such as:

- System Summary
- Close Shot
- View Snapshot
- Pre-Event Playback
- Volume
- Equipment Test
- Sync GPS Time
- Edit Event Data
- Enable Live Audio
- IP Address
- Record Indicator
- Traffic Watch
- Night Mode
- Color Mode
- Exit

Access the More Menu

1. Tap **MORE** on the Camera Preview screen.



2. Tap the appropriate button to access the additional functions.

System Summary

1. Tap **System Summary**.

2. A popup window will appear that shows:
   - Total number of videos recorded
   - Total offender records entered
   - Recording time left

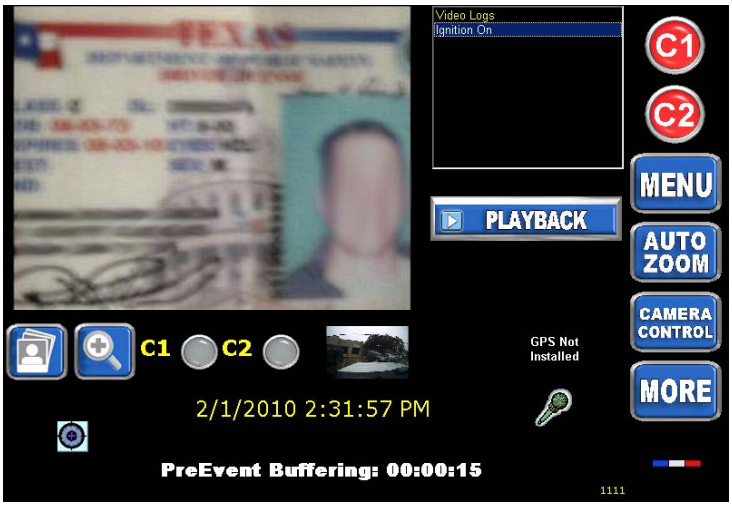
Close Shot

Coban's mobile recorder camera is designed to focus beyond the vehicle's windshield. This point of focus ensures that rain drops or other debris on the windshield do not negatively affect the picture.

Users may use close shot mode to bring the focus point down to within one inch from the camera for 5 seconds. During this time, a snapshot will be taken for later review.

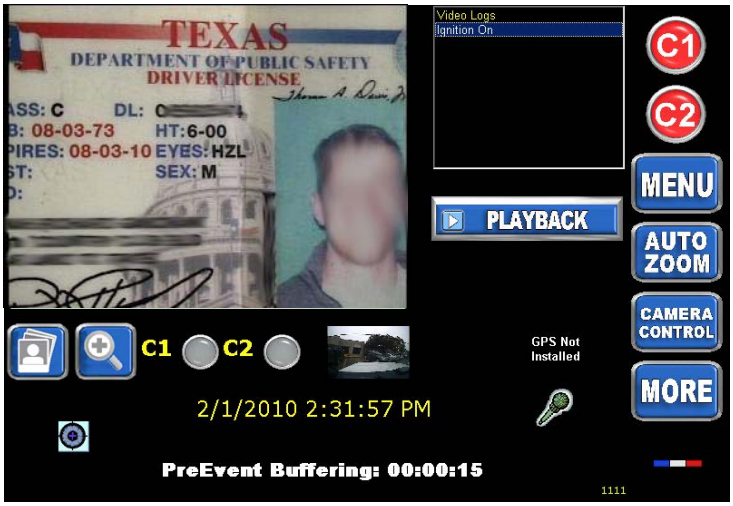
1. Position the ID or other object approximately 1 inch from the camera's lens.

2. Tap **Close Shot**.



Standard View

3. The camera will re-focus and take a snapshot JPG image that will be saved in the snapshots file (see page 16 for more information on reviewing snapshots).

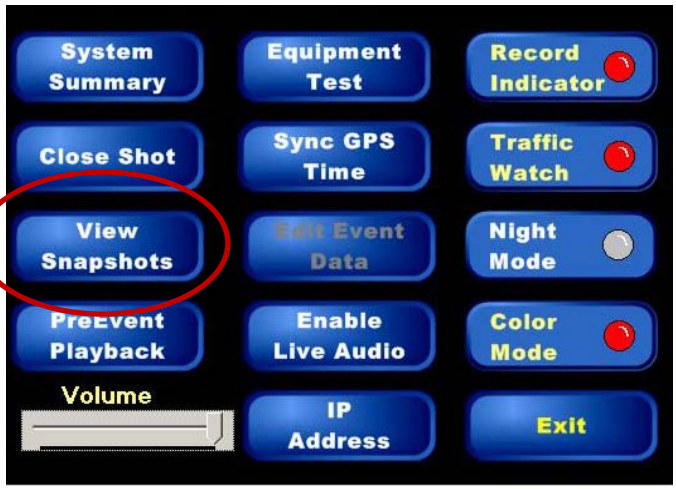


Close Shot View

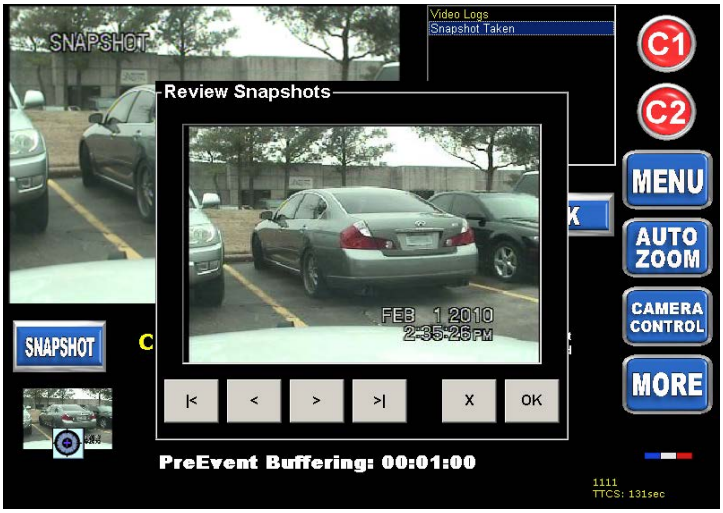
View Snapshots

Snapshots, those taken via the snapshot function on the camera view screen or those taken utilizing the close shot function, are stored in the same place. Access these files by:

1. Tap **View Snapshots**.



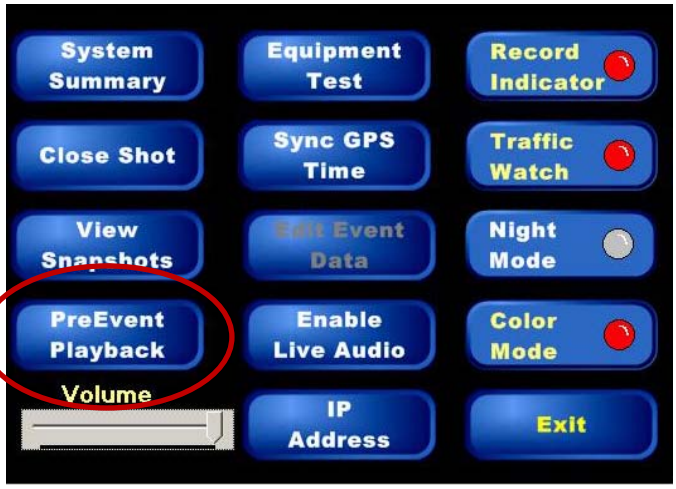
2. Use the arrow keys to scroll through the snapshots in the mobile recorder system.
3. Click **X** to delete snapshots.
4. Click **OK** to return to Camera View screen.



Pre-Event Playback

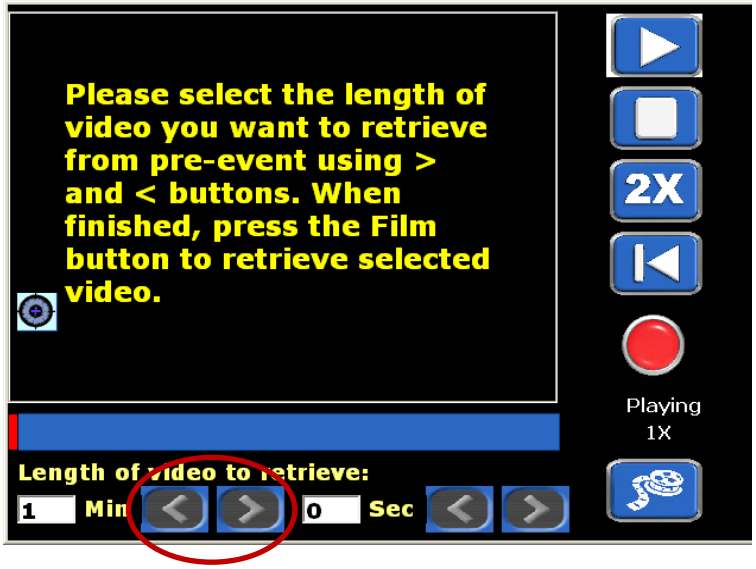
Pre-event buffer, or the length of video that will precede a recording when the record icon is activated can be adjusted, but only prior to a recording.

Another useful feature of the pre-event playback is a feature that allows the users to go back to any point in time that occurred since that user logged onto the mobile recorder system. The pre-event buffer starts at the time a user logs on or switches users (see page Switch Officer37 for information on switching officers).



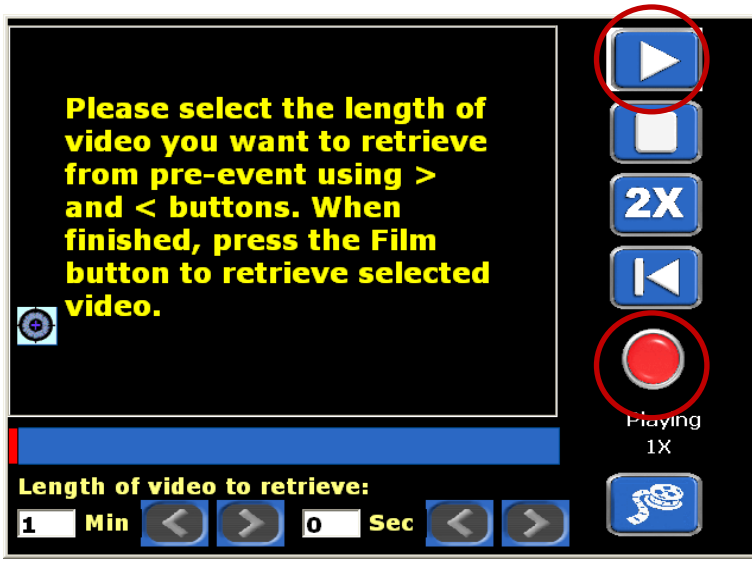
1. Tap **Pre-Event Playback**.

2. Tap the left and right arrow buttons to adjust the length of the pre-event section in minutes.



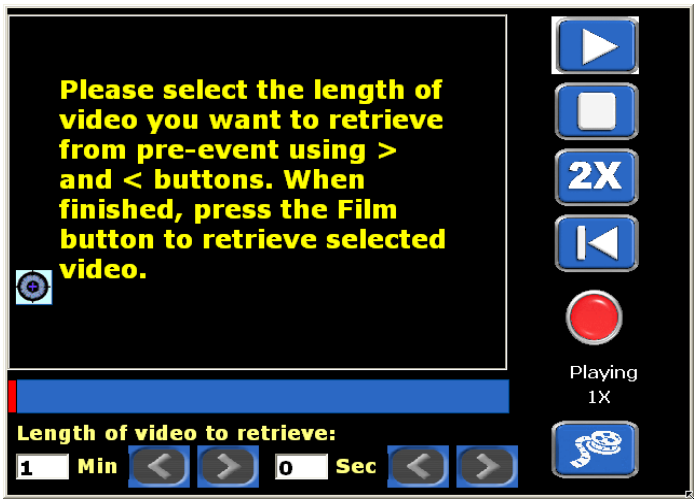
3. Tap to view the past minutes that the officer has input.
4. Tap to record the past minutes.
5. Tap the record button.

Note: Another useful feature of this capability is to view past minutes of a currently recording video to review what was said or happened and verify facts.



6. Tap the extract button to retrieve the selected length of pre-event. This allows the user to playback and attach a longer pre-event segment than is defined in the back-office system.
7. The extra length of pre-event is included in the saved video.

Note: It is possible to adjust pre-event to append video to a previously recorded video by adjusting the pre-event buffer to a point prior to the recording's start time, ie. to append ten minutes of pre-event to a video recorded from 8:00 to 8:15, adjust the pre-event buffer to a value greater than fifteen minutes.



Equipment Test

The Equipment Test feature allows the user to test the wireless mic and the covert mic without triggering a recording.

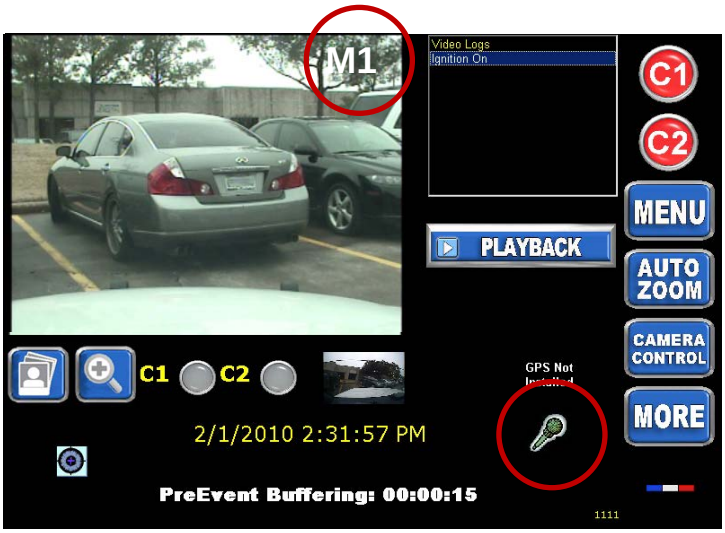
1. Ensure that the wireless mic is synchronized to the mobile recorder (see page 7 for information on syncing the wireless mic).
2. Tap Equipment Test.

3. The wireless mic will beep twice and flash green if the system is properly synchronized.
4. Press the record button on the wireless mic.

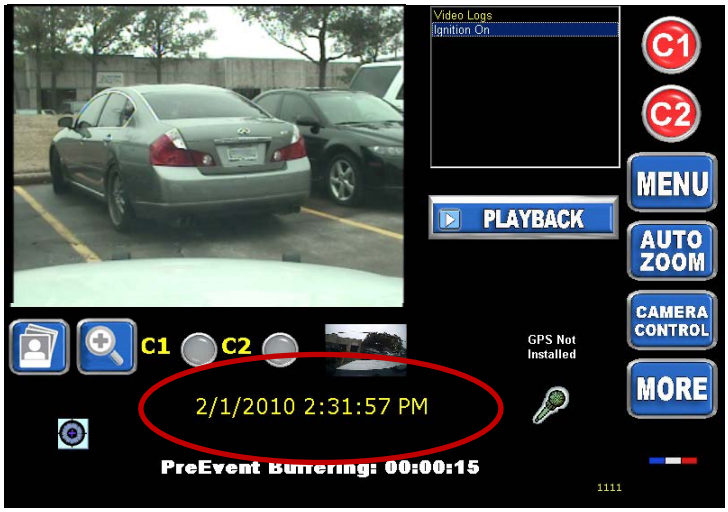
5. The microphone icon will be shown with flashing electrifying icons indicating that the microphone is active, if the covert mic is working properly.

Note: A feedback whine may be produced by the microphone during this test.

6. Also, the text M1 will appear at the top right of the camera preview screen to indicate that wireless 1 is active.
7. Note: When two mics are used, M1 and M2 will appear in the camera preview.



8. Tap Click here to exit Test Mode to exit the test.

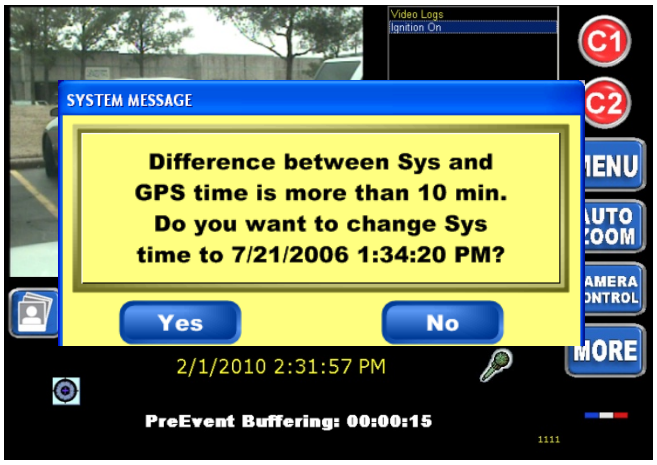


Sync GPS Time

This feature syncs the video clock to GPS time clock if the time is off by more than 10 minutes. This feature will only work if GPS is installed on the mobile recorder system.

1. Tap **Sync GPS Time**.

2. A popup window will appear providing the user with the difference between the system time and the GPS time.
3. Tap **Yes** to synchronize the system time to the GPS time.



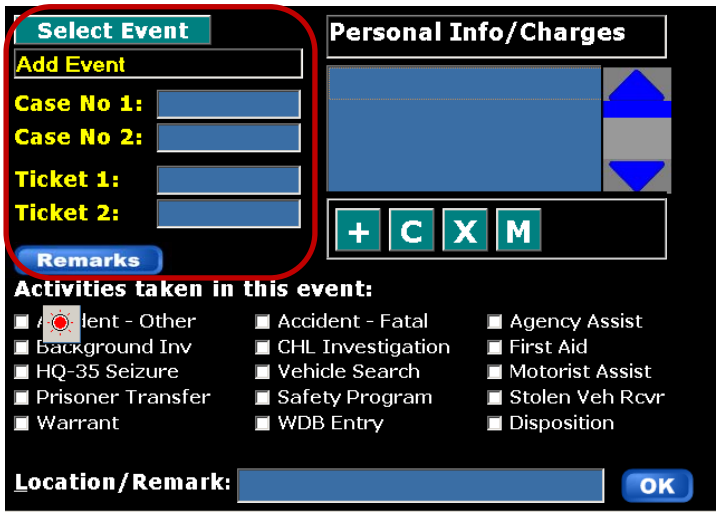
Edit Event Data

Each recorded video is linked with an event type. Events can be defined as traffic stop, accident, assistance, or any other definable event type. Each event may have multiple data points including offender information, user activities, location description, and remarks.

1. To access the Event Data screen, tap **Edit Event Data**.

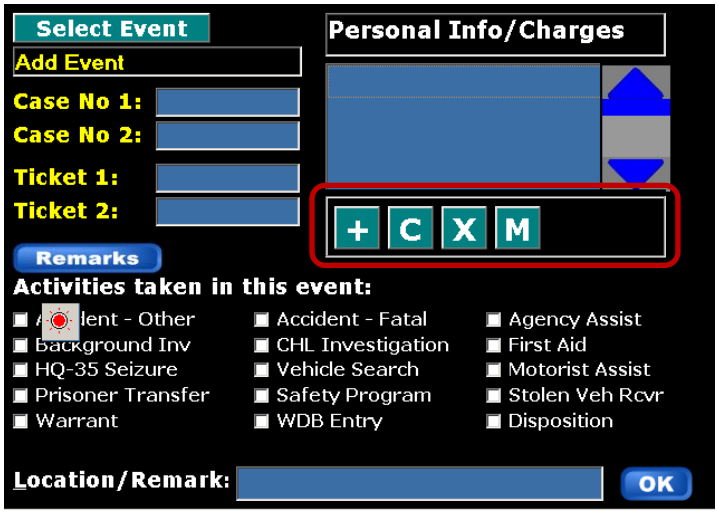
Note: This option will be grayed out if the system is not recording.

2. Tap **Select Event**.
3. Select the event type from the pre-defined event list.
4. Once event type is selected, the user may then start adding personal information of offenders, or select the applicable activities.
5. Enter case numbers and ticket numbers in the fields provided at the top left of the screen.
6. Tap **Remarks** to enter comments regarding the video event.
7. Check the activities boxes to describe the activities taken during the video event.

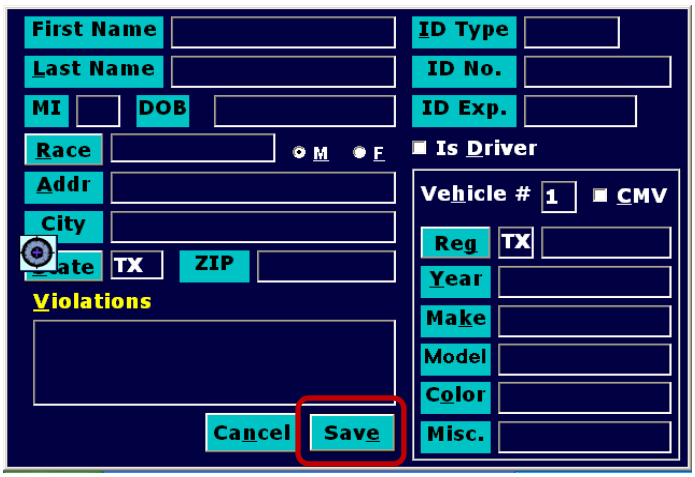


Offender Data Screen

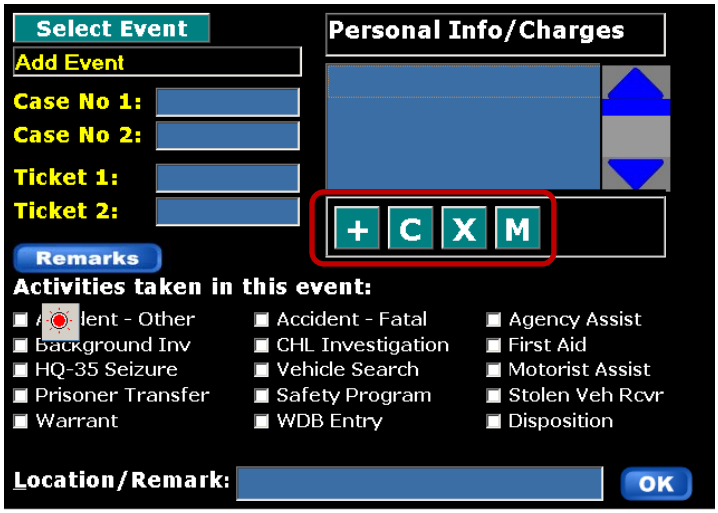
1. Tap from the Edit Event Data screen to enter the offender data screen.



2. Enter offender data in the fields provided in the Offender Data screen.
3. Tap **Save** when the entries are completed.
4. Tap the Violations field to access the Violations Selection screen (see page 26 for more information on entering violations data).

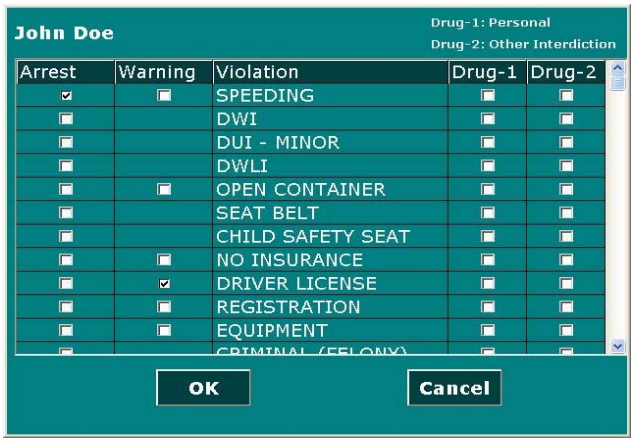


5. Tap C to access the offender data and edit data regarding the event.
6. Tap X to delete offender data.
7. Tap M to move offender data from one event to another.
8. Tap the field next to **Location/Remark** to enter text regarding the location of the video event.



Violation Selection Screen

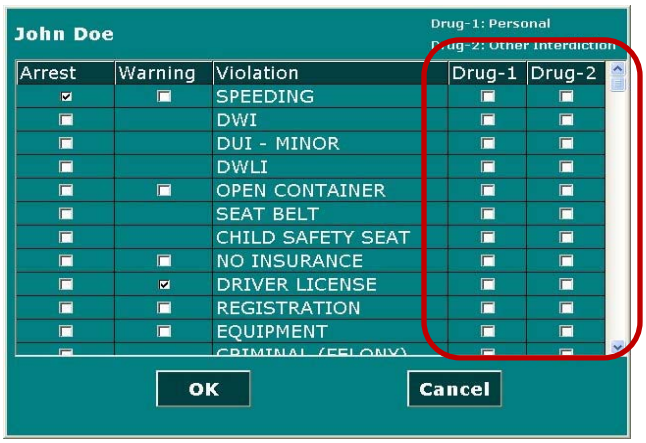
1. Tap the Violations field in the Offender Data screen (as described on page 25) to access the Violation Selection screen.
2. For events where a warning or an arrest took place, check the appropriate box across from the appropriate violation.



3. For events involving drug interdiction, the user can check the box in the Drug-1 or Drug-2 column across from the appropriate violation.

Note: Drug-1 is commonly used to indicate personal use of the drug; Drug-2 is for other drug interdictions (such as Drug Trafficking or Dealing).

4. Tap **OK** to return to the Offender's Data screen.



IP Address

1. Tap **IP Address** to display the IP address of the vehicle.

2. A popup window will appear providing the IP address information.
3. Click **OK** to return to the **Main Menu** screen.

Record Indicator

A red LED light is situated on the front of the Coban camera in order to signify to users whether or not the system is recording. It is situated to be seen through the front windshield when the user is outside the vehicle.

1. Tap **Record Indicator** to deactivate the red LED on the camera.

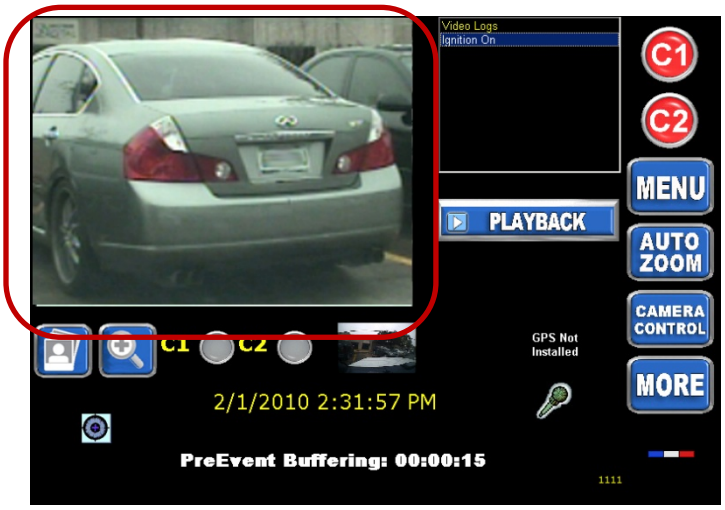
2. Tap **Record Indicator** a second time to activate the red LED on the camera.

Traffic Watch

The traffic watch allows users the ability to zoom out as soon as the record button is tapped.

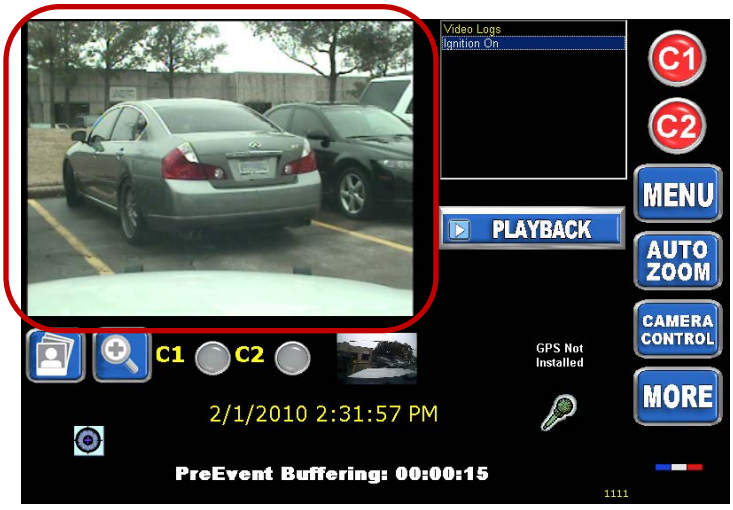
1. Tap **Traffic Watch** to turn on the traffic watch function.

2. The screen shot on the right shows a preview where the user is focusing on the license plate of the vehicle in the frame.



3. When a recording is started there camera will automatically zoom out to obtain the entire scene.

Note: When traffic watch is disabled the manual zoom button stays active.

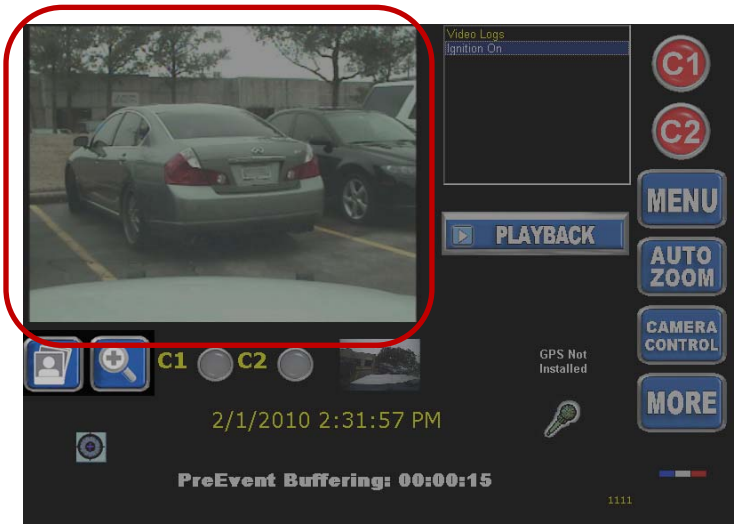


Night Mode

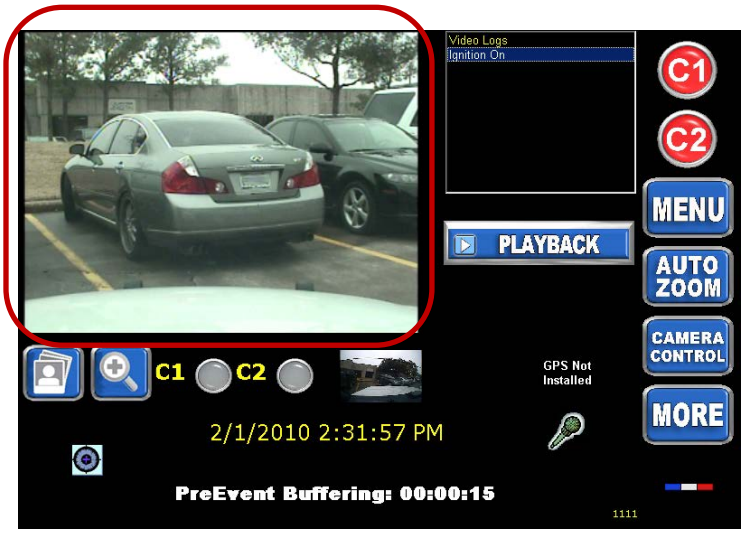
Night Mode dims the in-car monitor for clarity and provides less glare during covert conditions.

1. Tap **Night Mode** to activate night mode and reduce the brightness of the monitor.

2. The preview screen will dim slightly.



3. Tap **Night Mode** again to deactivate night mode and return the monitor to the default brightness settings.



Color Mode

By default, color mode is enabled in the mobile recording system. There are times when it may be useful to disable color mode in order to enhance lighting and reduce glare. This feature is useful for capturing tire skid marks on roads or during dusk and dawn light conditions.

1. Tap **Color Mode** on the Menu screen to activate a black and white preview.

2. The preview screen will change from color to black and white.

3. Tap **Color Mode** again on the Menu screen to re-activate color mode and deactivate black and white preview.

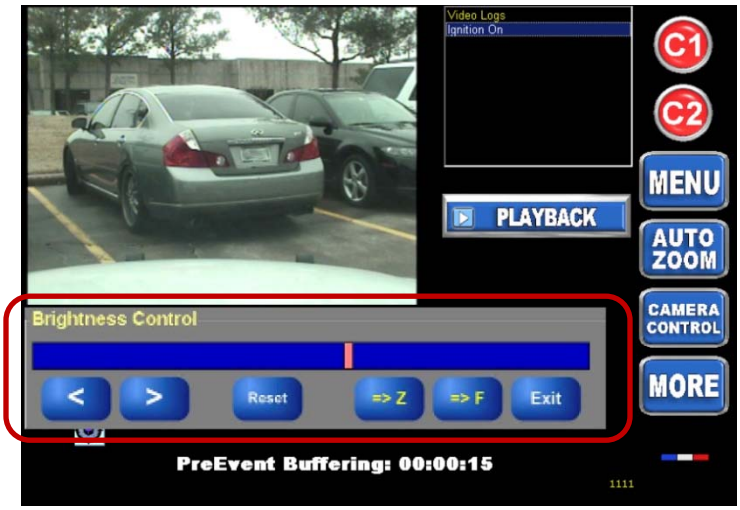
Note: When in Black and White mode, the video recording will record in black and white only.

Camera Control

Coban mobile recorder systems allow users the ability to manually adjust the zoom, brightness and focus using the touch screen monitor. The specifics of accessing and utilizing these functions are described below:

Brightness Control

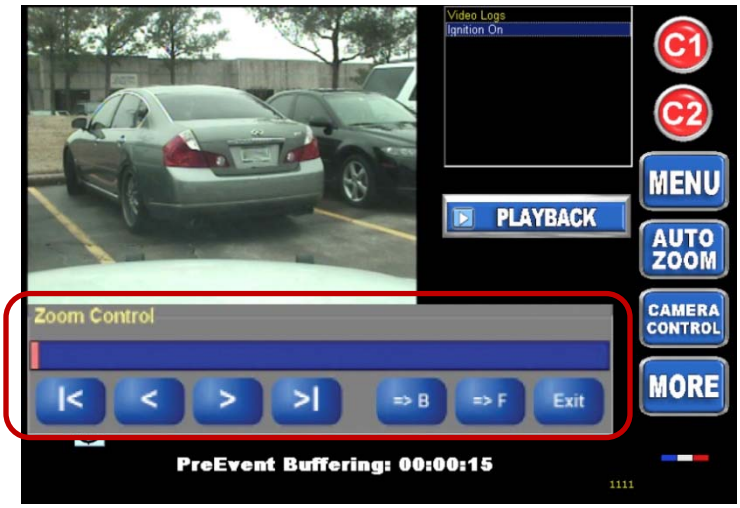
1. Tap **Camera Control** to access the brightness control functionality.
2. Use the arrow keys to increase or decrease the brightness of the preview screen.
3. Tap **Reset** to return to the default settings.
4. Tap **Exit** to return to the Camera Preview screen.



Zoom Control

1. Tap **Camera Control** to access the brightness control functionality.
2. Tap

to access the zoom control functionality.
3. Use the arrow keys to increase or decrease the brightness of the Camera Preview screen.
4. Tap **Exit** to return to the Camera Preview screen.



Focus Control

1. Tap **Camera Control** to access the brightness control functionality.
2. Tap

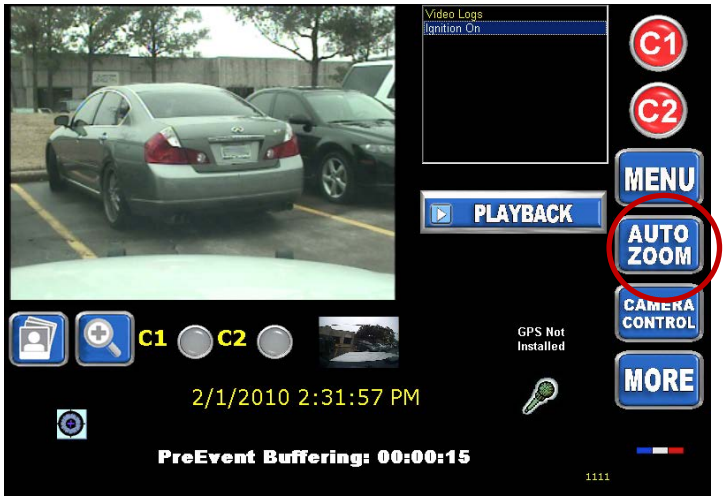
to access the focus control functionality.
3. Use the arrow keys to change the focus of the Camera Preview screen.
4. Tap **Exit** to return to the Camera Preview screen.

Auto Zoom

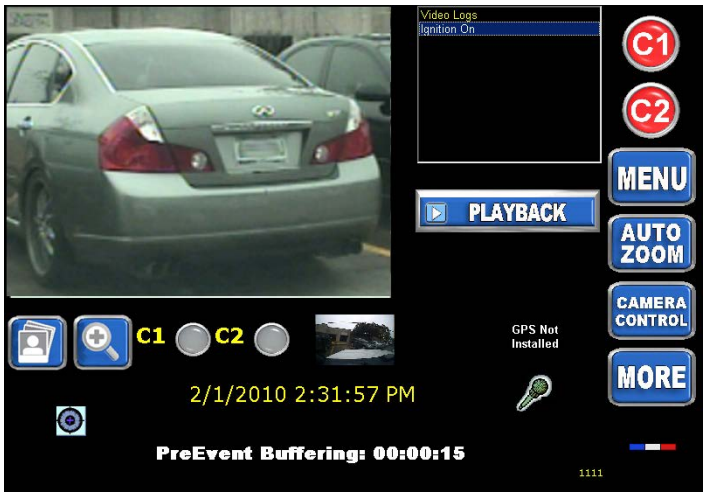
The auto zoom feature allows users the ability to zoom in on a subject automatically. Complete the following steps to utilize the auto zoom feature.

This feature is especially useful when zooming in on a license plate or zooming in on a subject during a recording.

1. Adjust the camera to center the preview screen on the subject to zoom in on.



2. Tap **AUTO ZOOM** on the right of the Camera Preview screen to automatically zoom in on a subject in the preview screen automatically.



Note: If the in-car set up has been configured to take a snapshot during auto zoom the system will automatically take a snapshot once the camera has zoomed in on the subject. The snapshot will be shown below **SNAPSHOT** for approximately 15 seconds. The snapshot will be saved with the other snapshots taken during that shift (see page 15 for more information on snapshots).

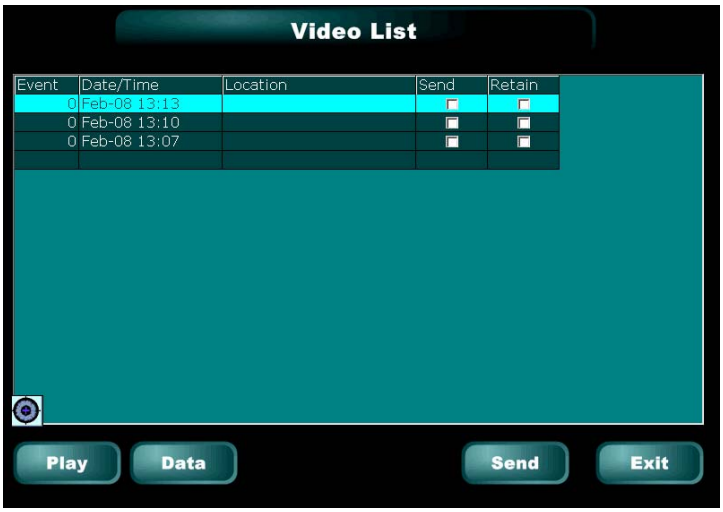
3. The camera will zoom out automatically.

Playback Video

Coban BOClient is a software application used to review videos at the department once the videos are uploaded from the mobile recorder system. In some cases users have found it necessary and useful to review videos in the field or immediately after recording them. The Playback Video feature allows users the capability to review videos from the mobile recorder system display in the vehicle.

1. Tap **PLAYBACK** on the right side of the screen to access the playback function.

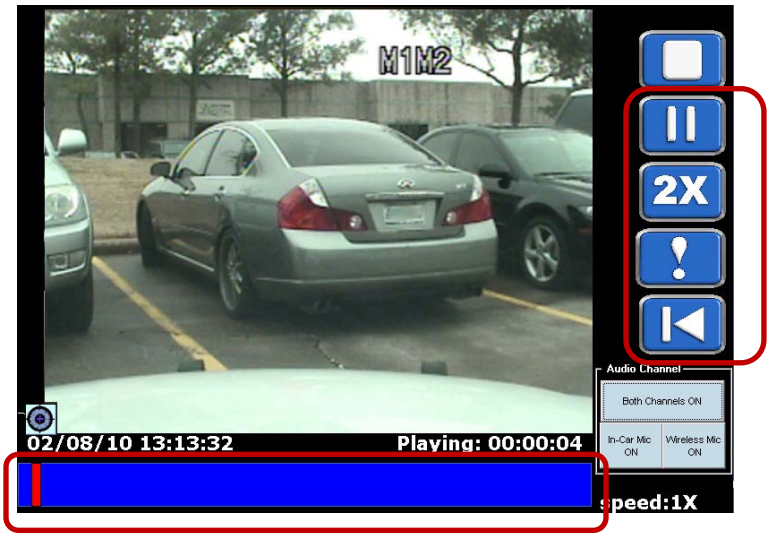
2. The Video List screen will appear and list video's stored on the MHDD by date and time taken. Location and Event will also be displayed.
3. Tap the video to play. The video will be highlighted in light green when selected.
4. Tap **Play** at the bottom of the screen.



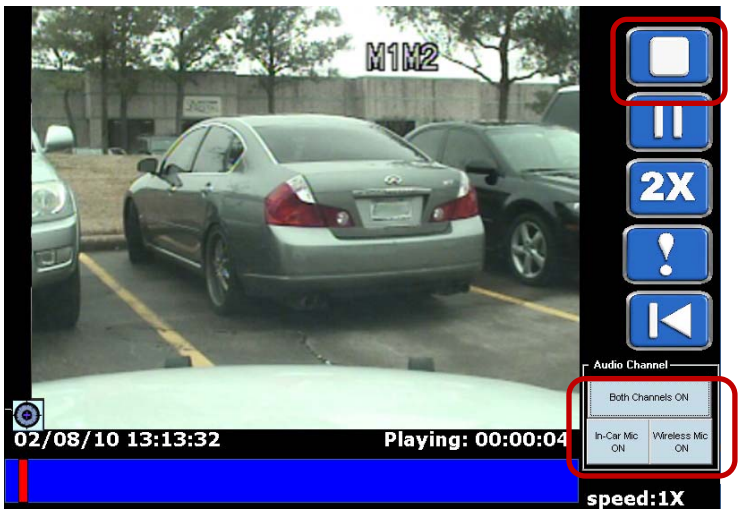
Note: Tap **Data** to access the Offender Data screen (see page 25 for more information on the Offender Data screen).

Note: Check the box in the Retain column to have the video classified as "retained" in BOClient. See the BOClient User's Manual for more information on retaining videos. This feature is usually used for videos that may have been misclassified as a different event type immediately following the recording.

5. Tap to set a bookmark in the video.
6. Tap to pause the video.
7. Tap to play the video at double speed.
8. Tap to rewind the video to the starting point.
9. Use the track bar at the bottom of the screen to move through the video.

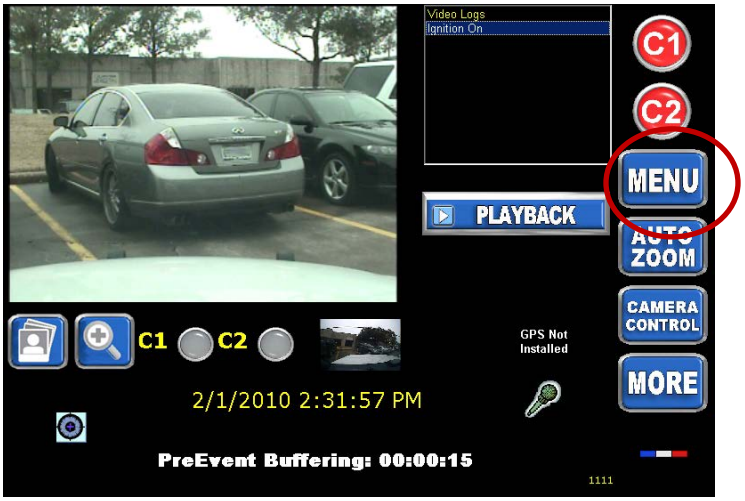


10. Use the audio channel buttons at the bottom right of the screen to toggle on and off the audio channels.
11. Tap to stop the video playback and return to the Video List screen.



Switch Officer

1. Tap **MENU** on the right side of the screen.



2. The Officer Login screen will appear.

Note: Tap the field titles, ie. **Officer ID**, **Password** to access the Virtual Keypad.

3. Enter the officer ID and password in the appropriate fields and tap **OK**.

Upload Videos

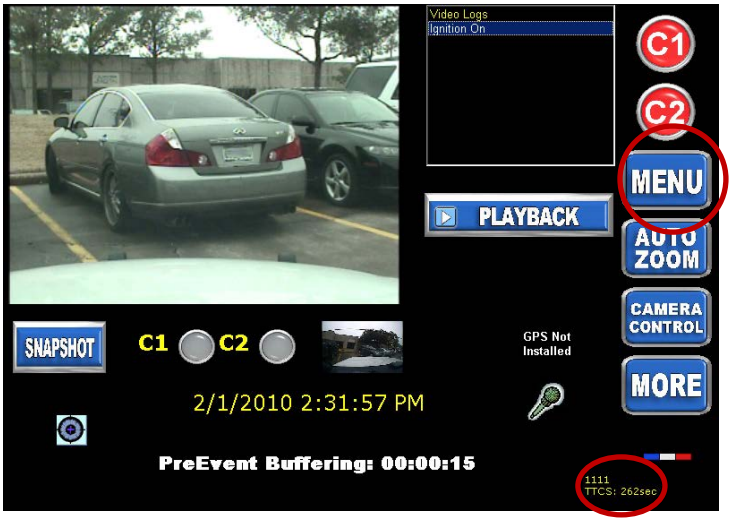
The Coban mobile recorder system allows for the transfer of videos to the server or sub server at the department in any one of several different methods, including:

- Mobile Hard Disk Drive upload
- Wireless Upload (automatically or on command)
- Wired Ethernet

Wireless Upload

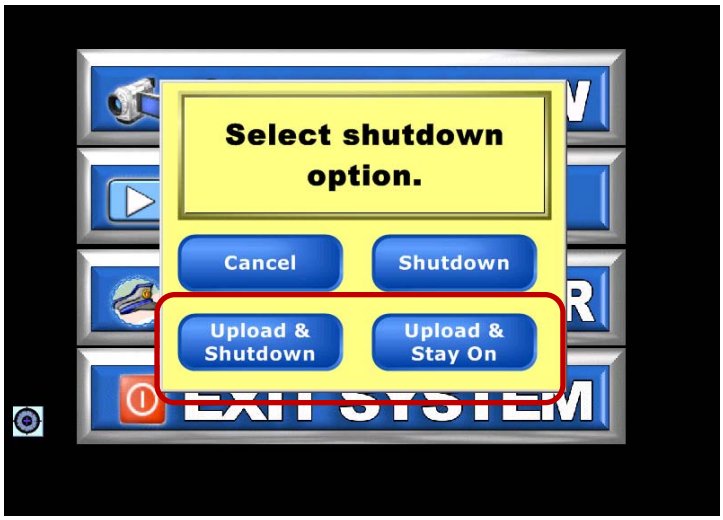
Users in departments that utilize the wireless upload capability will have TTCS (time to connect to server) countdown at the bottom right of the Camera Preview screen.

1. Tap **MENU** from the Camera Preview screen.



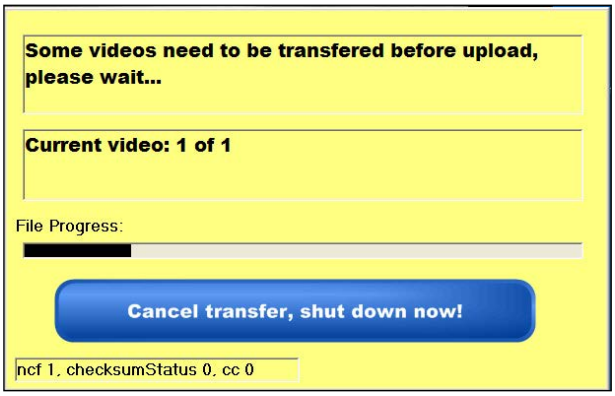
2. Tap **EXIT SYSTEM** at the bottom of the screen.

3. Tap **Upload & Stay On** or **Upload & Shutdown** to upload videos.



4. The mobile recorder system will process all videos for upload.

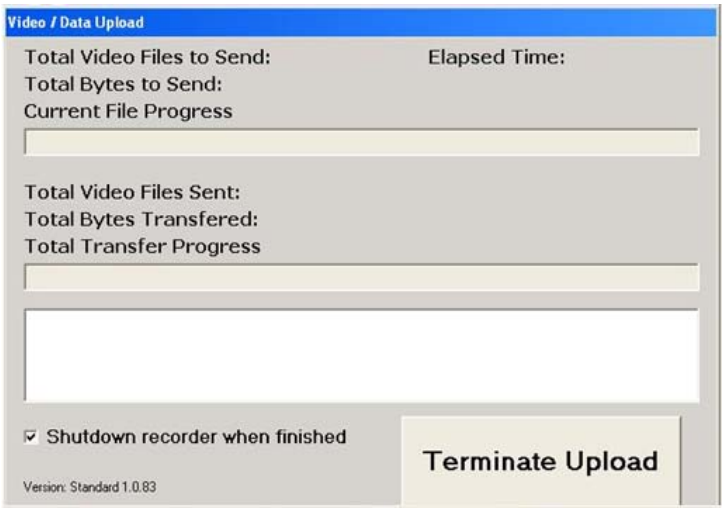
Note: In some cases the mobile recorder system must finish processing videos before it can properly shutdown or upload videos. The User can turn off the vehicle and leave as the movile recorder system will automatically proceed with the upload and shutdown operation once the video processing is complete.



5. The mobile recorder system will begin to upload the videos and show progress of the upload.

CAUTION: Do NOT remove the MHDD during this upload process.

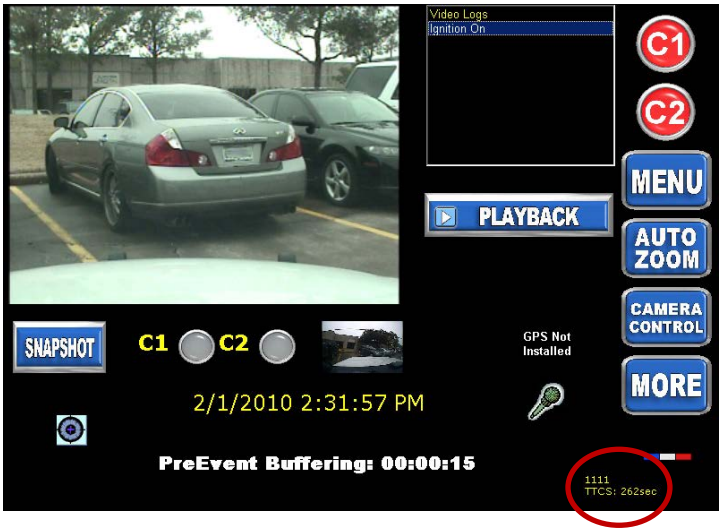
Note: If the **Upload and Shutdown** option was selected, the mobile recorder system will automatically shut down when the upload is complete.



Automatic Wireless Upload

Departments that utilize the wireless upload capability will have TTCS (time to connect to server) countdown at the bottom right of the Camera Preview screen.

All videos that have been processed by the system and are in the Video List are automatically uploaded to the server or sub server based on the BOClient settings and department protocols.



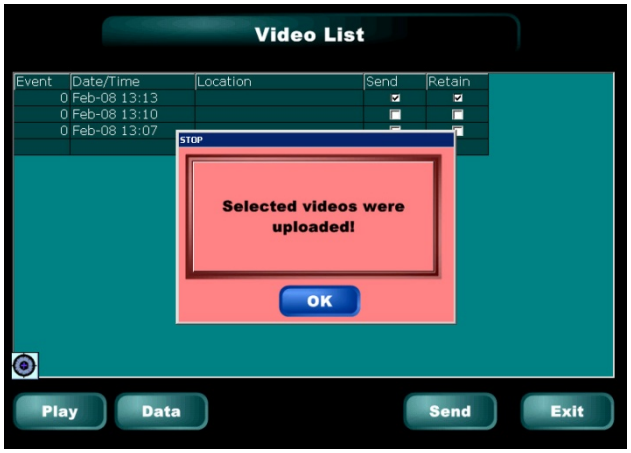
Specifying Videos to Upload/Retain

1. Users can designate that the system send specific videos immediately to the server from the Video List screen (see page 35 for information on accessing the Video List screen).

Note: Check the box in the Retain column to have the video classified as "retained" in BOClient. See the BOClient User's Manual for more information on retaining videos.

2. Check the box next to the video and tap **Send** at the bottom of the screen.

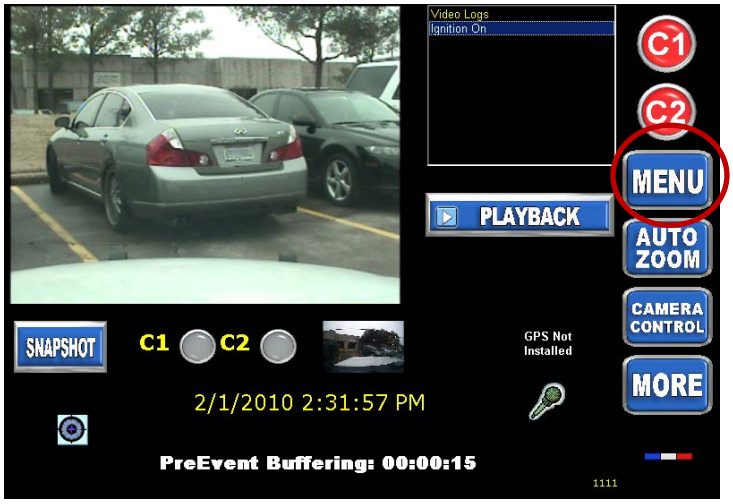
3. A popup screen will appear informing the user whether or not the videos were successfully uploaded.
4. Tap **OK** in the popup window to proceed.
5. The video will be marked as **<SENT>** in the video list following a successful upload.



MHDD Upload

Users must check in and check out Mobile Hard Disk Drives (MHDD) to upload videos in departments that do not utilize the wireless upload capability.

1. Tap **MENU** on the Camera Preview screen.



2. Tap **EXIT SYSTEM**.

3. Tap **Shutdown** to shutdown the mobile recorder system.
4. Use a key to unlock and remove the MHDD from the mobile recorder system.

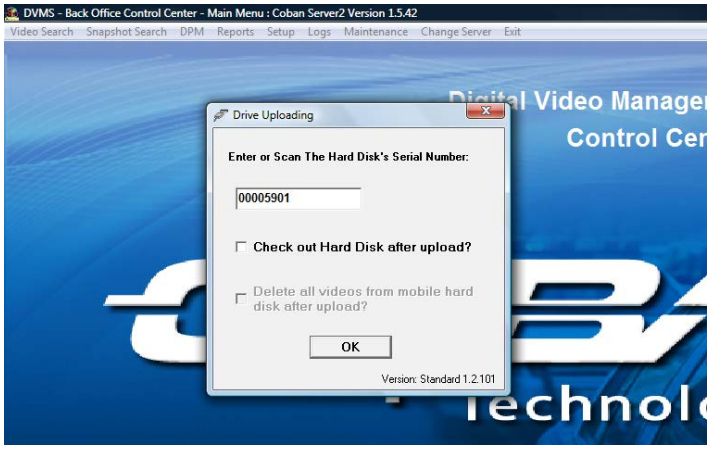
Note: In most departments a key can be requested from the System Administrator.

CAUTION: Do NOT remove the MHDD while this system is running.

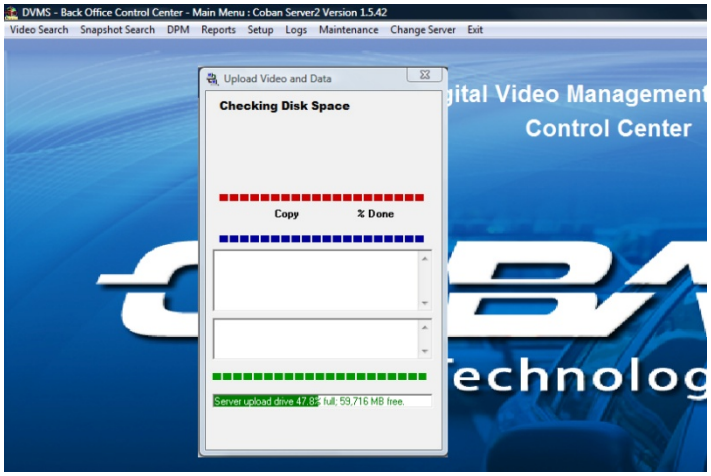
5. Insert the MHDD in the upload cradle in the department or sub-station.

6. An upload popup window will appear. Enter the serial number of the MHDD if it is not automatically entered into the field provided.
7. Check the appropriate box to check out the hard disk after upload and the system will run the checkout application automatically after uploading.

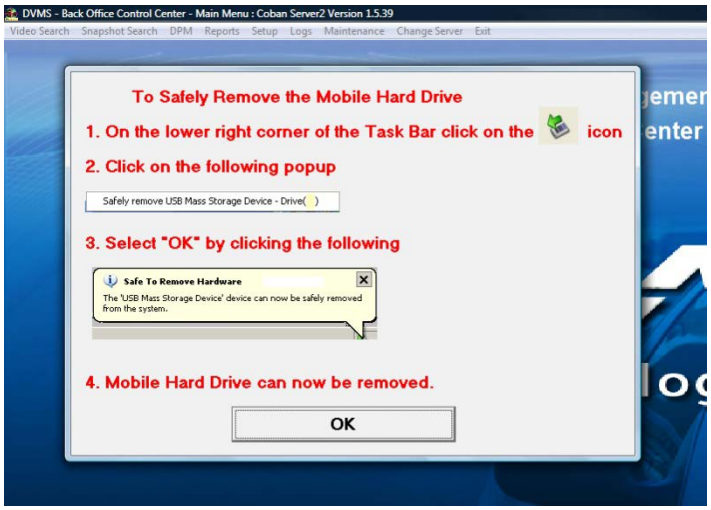
CAUTION: Do not remove MHDD from the cradle during the upload process. Removing the MHDD from the cradle could result in loss of data.



8. A message box will show the progress of the upload and check out process.



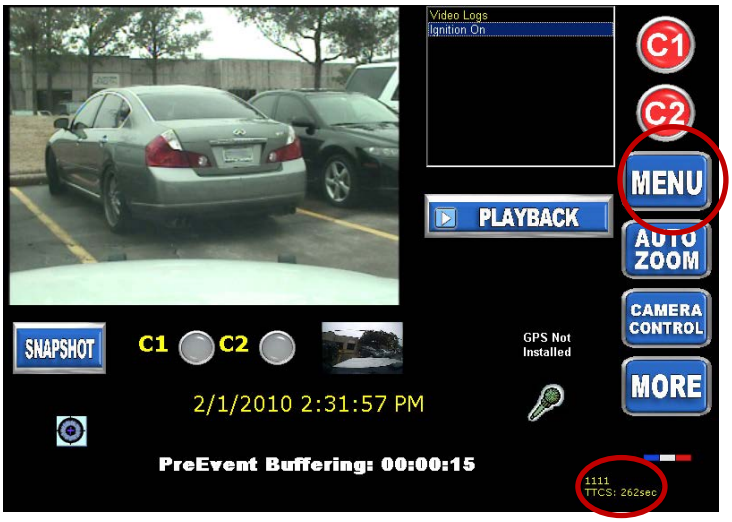
9. Follow the directions to safely remove the MHDD from the cradle.



Wired Upload

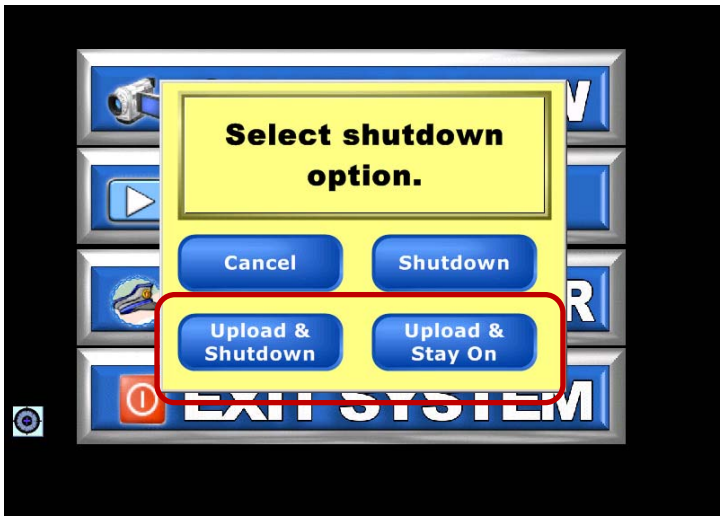
The mobile recording system provides the capability to download videos via Ethernet cable directly from the CPU. System administrators must specify that the Ethernet plug will be used for the function to enable this feature.

1. Plug an Ethernet cable into the Ethernet plug of the CPU.
2. Tap **MENU** from the Camera Preview screen.



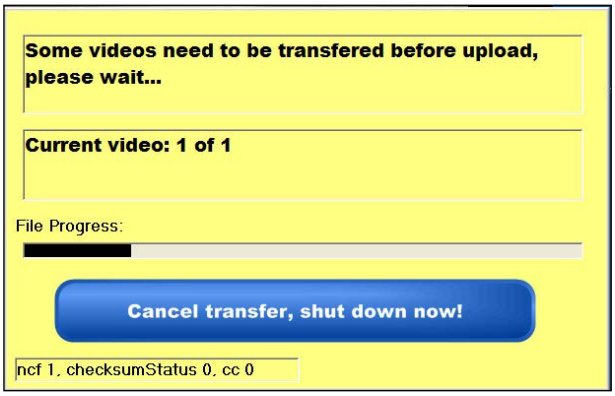
3. Tap **EXIT SYSTEM** at the bottom of the screen.

4. Tap **Upload & Stay On** or **Upload & Shutdown** to upload videos.



5. The mobile recorder system will process all videos for upload.

Note: In some cases the mobile recorder system must finish processing videos before it can properly shutdown or upload videos. The User can turn off the vehicle and leave as the movile recorder system will automatically proceed with the upload and shutdown operation once the video processing is complete.

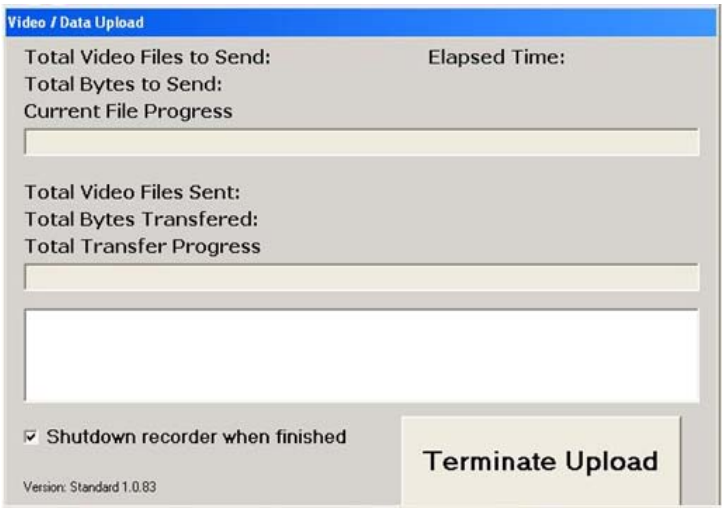


6. The mobile recorder system will begin to upload the videos and show progress of the upload.

CAUTION: Do NOT remove the MHDD or unplug the Ethernet cable during this upload process.

Note: If the **Upload and Shutdown** option was selected, the mobile recorder system will automatically shut down when the upload is complete.

7. Disconnect the Ethernet cable once the upload is complete.



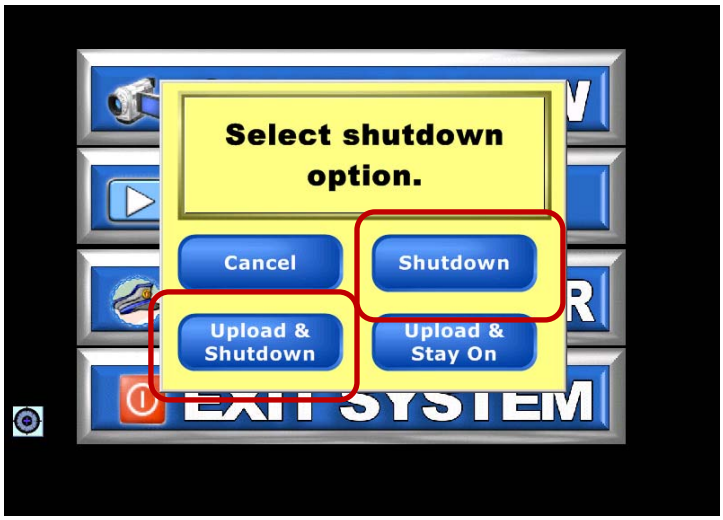
Exit the System

The mobile recorder system is capable of automatically shutting down following the upload and processing of videos stored in the MHDD. This enables users to select the shutdown option, turn off the vehicle, and leave with the confidence of knowing the data stored on the system will not be lost.

1. Tap **MENU** from the Camera View screen.

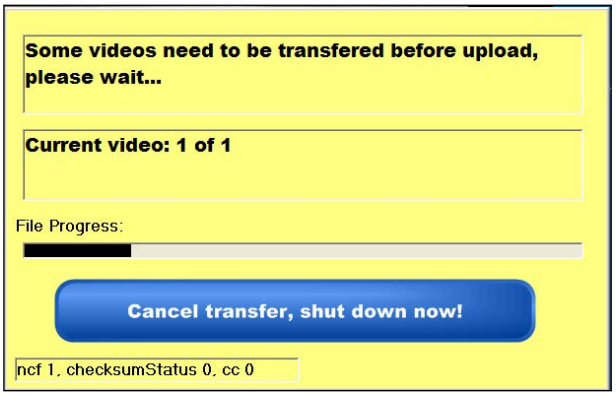
2. Tap **EXIT SYSTEM** at the bottom of the screen.

3. For wireless upload, tap **Shutdown** or **Upload & Shutdown** to shutdown the mobile recorder system.



Note: **Upload & Shutdown** will upload videos prior to shutdown (see page 38 for more information on this function.)

4. The mobile recorder system will process all videos for upload.



Note: In some cases the mobile recorder system must finish processing vidoes before it can properly shutdown or upload videos. The User can turn off the vehicle and leave as the movile recorder system will automatically proceed with the upload and shutdown operation once the video processing is complete.

MobileRecorder Cheat Sheet

LOGIN

* Press **OFFICER ID**, **PASSWORD**, **PARTNER ID** or **PATROL UNIT** buttons for Virtual Keypad.

* Press Login to advance to Date and Time confirmation and Press **OK.**

START RECORDING

* Auto start recording by: **activating light bar** or **pressing record button** on mic.

Press **C1** to start front camera

Press **C2** to start rear camera

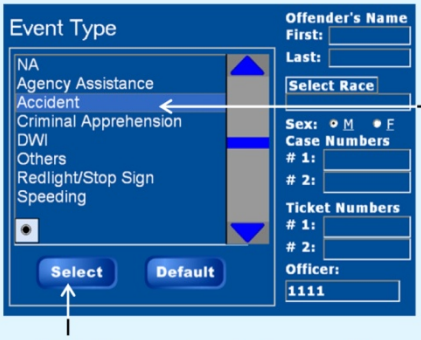
Front camera recording indicator

STOP RECORDING

Press **C1** to stop front camera.

Press **C2** to stop rear camera.

* The Event Type screen appears when a recording is stopped.



Select an event.

Press **SELECT** to return to Camera View screen.

WIRELESS MIC

Program button

Record button

* Pressing record and program button together will toggle between Vibrate and LED/Vibrate modes.

Mode / Alert	Vibrations	LED/ Vibrate
Recording	2	Green LED / 2
Mute	2	Green Blinking LED / 2
Out of Range	1	Yellow LED / 1
Low Battery	1 each min	Green LED / 1 (blinks every 4 seconds)

TAKE A SNAPSHOT

Press **SNAPSHOT** to take a snapshot.

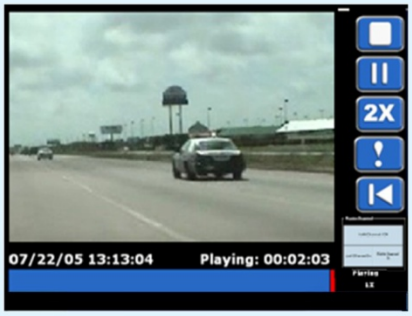
Tap the preview to go to Snapshot screen.

VIDEO PLAYBACK

Press **PLAYBACK.**

Select a video.

Press **PLAY.**



Review videos, bookmark or play at 2X speed.

CREATE BOOKMARKS

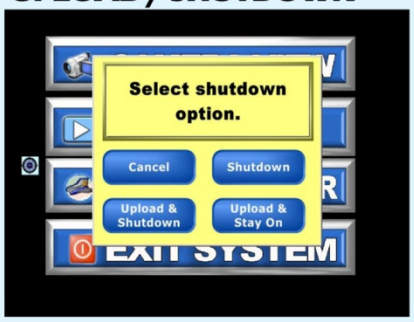
Press **!** to create a bookmark.

MENU SCREEN

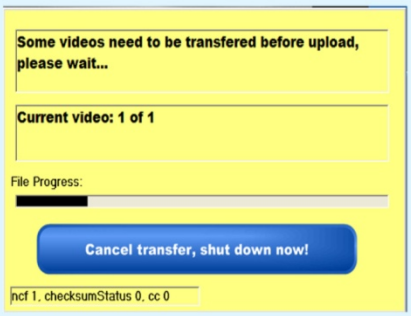
Press **MENU.**

Press **Exit System** Shutdown

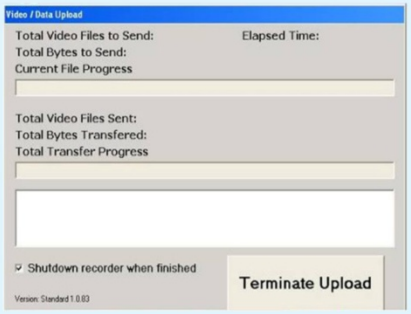
UPLOAD / SHUTDOWN



Press **SHUTDOWN** or **UPLOAD & SHUTDOWN.**

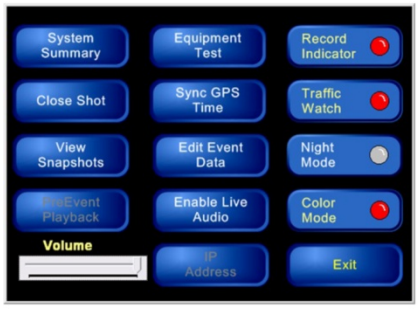


If videos have not automatically been uploaded, the system will begin an upload.



The system will shutdown automatically.

MORE FUNCTIONS



SYSTEM SUMMARY: Provides the number of recorded videos, number of offender records entered and available recording time with existing mobile hard drive.
CLOSE SHOT: Close shot reduces focus point down to within one inch from the camera for 5 seconds. During this time, a snapshot will be taken for later review.
VIEW SNAPSHOT: Allows the user to view all saved snapshots. Double tap the snapshot to enlarge the photo, double tap again to return to original size.
PRE-EVENT PLAYBACK: Allows the user to playback the pre-event video to manually determine when they would like to start a recording.
EQUIPMENT TEST: Allows the user to test equipment settings for the in-car unit.
EDIT EVENT DATA: Allows the user to edit / add event data to a video while it is being recorded.
IP ADDRESS: Displays the IP address of the recording unit.
RECORD INDICATOR: Allows the user to activate or disable the red LED indicator in front of the camera. The LED is used to alert the user of the camera's recording status.
TRAFFIC WATCH: Will adjust back from manual zoom to user selected zoom setting in the back office, when recording is triggered.
NIGHT MODE: Dims the in-car monitor for clarity and reduce glares.
COLOR MODE: By default, color mode is ON, turning it OFF will revert camera to black and white mode which may be useful at night to enhance lighting and reduce glare.

Coban Technical Support
Mon - Fri / 8 am - 6 pm / 281.277.8288
www.cobantech.com